

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
UV/217SERIAL NO.  
09/974,666INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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APPLICANT  
Michael D. Ellis et al.CONFIRMATION  
NO. 7521FILING DATE  
October 9, 2001GROUP  
2152

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>DD</i>	Re. 35,954	11/10/98	Levine			
	4,355,415	10/19/82	George, et al.			
	4,488,179	12/11/84	Krüger, et al.			
	4,602,279	07/22/86	Freeman			
	4,694,490	09/15/87	Harvey, et al.			
	4,704,725	11/03/87	Harvey, et al.			
	4,706,121	11/10/87	Young			
	4,718,107	01/05/88	Hayes			
	4,745,549	05/17/88	Hashimoto			
	4,751,578	06/14/88	Reiter, et al.			
	4,787,063	11/22/88	Muguet			
	4,847,698	07/11/89	Freeman			
	4,857,999	08/15/89	Welsh			
	4,908,707	03/13/90	Kinghorn			
	4,930,158	05/29/90	Vogel			
	4,959,720	09/25/90	Duffield, et al.			
	4,963,994	10/16/90	Levine			
	4,965,825	10/23/90	Harvey, et al.			
	4,977,455	12/11/90	Young			
	5,027,400	06/25/91	Baji, et al.			
	5,047,867	09/10/91	Strubbe, et al.			
	5,109,279	04/28/92	Ando			
	5,109,414	04/28/92	Harvey, et al.			
	5,134,719	07/28/92	Mankovitz			
	5,151,789	09/29/92	Young			
	5,155,591	10/13/92	Wachob			
<i>me</i>	5,172,413	12/15/92	Bradley, et al.			

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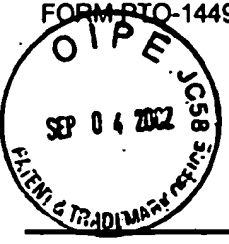
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		APPLICANT Michael D. Ellis et al.	CONFIRMATION NO. 7521
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## U.S. PATENT DOCUMENTS (Continued)

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DND	5,200,822	04/06/93	Bronfin, et al.			
	5,223,924	06/29/93	Strubbe			
	5,231,493	07/27/93	Apitz			
	5,233,654	08/03/93	Harvey, et al.			
	5,249,043	09/28/93	Grandmougin			
	5,253,066	10/12/93	Vogel			
	5,299,006	03/29/94	Kim			
	5,335,277	08/02/94	Harvey, et al.			
	5,339,434	08/16/94	Rusis			
	5,341,350	08/23/94	Frank, et al.			
	5,353,121	10/04/94	Young, et al.			
	5,357,276	10/18/94	Banker, et al.			
	5,404,567	04/04/95	DePietro, et al.			
	5,410,344	04/25/95	Graves, et al.			
	5,426,699	06/20/95	Wunderlich, et al.			
	5,442,389	08/15/95	Blahut, et al.			
	5,465,385	11/07/95	Ohga, et al.			
	5,483,278	01/09/96	Strubbe, et al.			
	5,485,197	01/16/96	Hoarty			
	5,502,504	03/26/96	Marshall, et al.			
	5,517,257	05/14/96	Dunn, et al.			
	5,523,794	06/04/96	Mankovitz, et al.			
	5,523,796	06/04/96	Marshall, et al.			
	5,524,195	06/04/96	Clanton, III et al.			
	5,524,271	06/04/96	Hollmann, et al.			
	5,534,911	07/09/96	Levitan			
	5,537,141	07/16/96	Harper, et al.			

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## U.S. PATENT DOCUMENTS (Continued)

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Dno</i>	5,539,449	07/23/96	Blahut, et al.			
	5,539,880	07/23/96	Lakhani			
	5,541,638	07/30/96	Story			
	5,541,738	07/30/96	Mankovitz			
	5,548,338	08/20/96	Ellis, et al.			
	5,550,576	08/27/96	Klosterman			
	5,550,825	08/27/96	McMullan, Jr., et al.			
	5,557,338	09/17/96	Maze, et al.			
	5,559,548	09/24/96	Davis, et al.			
	5,559,549	09/24/96	Hendricks, et al.			
	5,574,778	11/12/96	Ely, et al.			
	5,576,755	11/19/96	Davis, et al.			
	5,583,561	12/10/96	Baker, et al.			
	5,583,563	12/10/96	Wanderscheid, et al.			
	5,585,838	12/17/96	Lawler, et al.			
	5,585,858	12/17/96	Harper, et al.			
	5,589,892	12/31/96	Knee, et al.			
	5,592,551	01/07/97	Lett, et al.			
	5,594,509	01/14/97	Florin, et al.			
	5,594,779	01/14/97	Goodman			
	5,600,364	02/04/97	Hendricks, et al.			
	5,600,573	02/04/97	Hendricks, et al.			
	5,602,582	02/11/97	Wanderscheid, et al.			
	5,606,642	02/25/97	Stautner, et al.			
	5,616,876	04/01/97	Cluts			
	5,619,247	04/08/97	Russo			
<i>Dno</i>	5,619,249	04/08/97	Billock, et al.			

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U.S. PATENT DOCUMENTS (Continued)

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>D/D</i>	5,619,274	04/08/97	Roop, et al.			
	5,623,613	04/22/97	Rowe, et al.			
	5,625,678	04/29/97	Blomfield-Brown			
	5,629,733	05/13/97	Youman, et al.			
	5,629,867	05/13/97	Goldman			
	5,630,119	05/13/97	Aristides, et al.			
	5,632,007	05/20/97	Freeman			
	5,635,978	06/03/97	Alten, et al.			
	5,635,987	06/03/97	Park, et al.			
	5,648,824	07/15/97	Dunn, et al.			
	5,652,613	07/29/97	Lazarus, et al.			
	5,654,748	08/05/97	Matthews, III			
	5,654,886	08/05/97	Zereski, Jr. et al.			
	5,657,072	08/12/97	Aristides, et al.			
	5,659,350	08/19/97	Hendricks, et al.			
	5,666,645	09/09/97	Thomas, et al.			
	5,675,743	10/07/97	Mavity			
	5,682,195	10/28/97	Hendricks, et al.			
	5,694,163	12/02/97	Harrison			
	5,696,765	12/09/97	Safadi			
	5,699,107	12/16/97	Lawler, et al.			
	5,708,961	01/13/98	Hylton, et al.			
	5,710,601	01/20/98	Marshall, et al.			
	5,717,452	02/10/98	Janin, et al.			
	5,721,829	02/24/98	Dunn, et al.			
	5,727,060	03/10/98	Young			
<i>D/D</i>	5,732,216	03/24/98	Logan, et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>D20</i>	5,734,119	03/31/98	France, et al.			
	5,734,853	03/31/98	Hendricks, et al.			
	5,742,443	04/21/98	Tsao, et al.			
	5,745,710	04/28/98	Clanton, III, et al.			
	5,751,282	05/12/98	Girard, et al.			
	5,752,159	05/12/98	Faust, et al.			
	5,752,160	05/12/98	Dunn			
	5,754,771	05/19/98	Epperson, et al.			
	5,758,257	05/26/98	Herz, et al.			
	5,758,258	05/26/98	Shoff, et al.			
	5,758,259	05/26/98	Lawler			
	5,760,821	06/02/98	Ellis, et al.			
	5,768,528	06/16/98	Stumm			
	5,774,170	06/30/98	Hite, et al.			
	5,778,182	07/07/98	Cathey, et al.			
	5,778,187	07/07/98	Monteiro, et al.			
	5,781,226	07/14/98	Sheehan			
	5,781,227	07/14/98	Goode, et al.			
	5,781,246	07/14/98	Alten, et al.			
	5,790,198	08/04/98	Roop, et al.			
	5,790,423	08/04/98	Lau, et al.			
	5,793,412	08/11/98	Asamizuya			
	5,793,971	08/11/98	Fujita, et al.			
	5,794,217	08/11/98	Allen			
	5,796,952	08/18/98	Davis, et al.			
<i>V</i>	5,802,284	09/01/98	Karlton, et al.			
<i>D20</i>	5,805,154	09/08/98	Brown			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
D2	5,805,763	09/08/98	Lawler, et al.			
	5,805,804	09/08/98	Laursen, et al.			
	5,805,806	09/08/98	McArthur			
	5,808,608	09/15/98	Young, et al.			
	5,808,694	09/15/98	Usui, et al.			
	5,809,246	09/15/98	Goldman			
	5,812,123	09/22/98	Rowe, et al.			
	5,812,205	09/22/98	Milnes, et al.			
	5,815,146	09/29/98	Youden, et al.			
	5,818,438	10/06/98	Howe, et al.			
	5,819,019	10/06/98	Nelson			
	5,819,160	10/06/98	Foladare, et al.			
	5,822,530	10/13/98	Brown			
	5,830,068	11/03/98	Brenner, et al.			
	5,838,314	11/17/98	Neel, et al.			
	5,841,979	11/24/98	Schulhof, et al.			
	5,844,620	12/01/98	Coleman, et al.			
	5,850,218	12/15/98	LaJoie, et al.			
	5,861,906	01/19/99	Dunn, et al.			
	5,881,245	03/9/99	Thompson			
	5,884,028	03/16/99	Kindell et al.			
	5,886,707	03/23/99	Berg			
	5,886,732	03/23/99	Humpleman			
	5,887,243	03/23/99	Harvey, et al.			
	5,892,915	04/06/99	Duso, et al.			
	5,894,589	04/13/99	Reber, et al.			
	5,896,414	04/20/99	Meyer, et al.			

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## U.S. PATENT DOCUMENTS (Continued)

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>DD</i>	5,898,441	04/27/99	Flurry			
	5,898,456	04/27/99	Wahl			
	5,899,582	05/04/99	DuLac			
	5,900,904	05/04/99	Okada, et al.			
	5,903,234	05/11/99	Kimura, et al.			
	5,903,263	05/11/99	Emura			
	5,903,264	05/11/99	Moeller, et al.			
	5,905,522	05/18/99	Lawler			
	5,905,847	05/18/99	Kobayashi, et al.			
	5,909,638	06/01/99	Allen			
	5,911,046	06/08/99	Amano			
	5,913,039	06/15/99	Nakamura, et al.			
	5,914,941	06/22/99	Janky			
	5,915,090	06/22/99	Joseph, et al.			
	5,915,094	06/22/99	Kouloheris et al.			
	5,916,303	06/29/99	Scott			
	5,917,538	06/29/99	Asamizuya			
	5,917,835	06/29/99	Barrett, et al.			
	5,920,702	07/06/99	Bleidt, et al.			
	5,920,800	07/06/99	Schafer			
	5,922,045	07/13/99	Hanson			
	5,922,048	07/13/99	Emura			
	5,923,361	07/13/99	Sutton, Jr.			
	5,926,204	07/20/99	Mayer			
	5,926,205	07/20/99	Krause, et al.			
<i>V</i>	5,926,624	07/20/99	Katz, et al.			
<i>DD</i>	5,928,327	07/27/99	Wang, et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>DD</i>	5,929,850	07/27/99	Broadwin, et al.			
	5,930,473	07/27/99	Teng, et al.			
	5,930,493	07/27/99	Ottesen, et al.			
	5,931,901	08/03/99	Wolfe, et al.			
	5,933,603	08/03/99	Vahallia, et al.			
	5,933,835	08/03/99	Adams, et al.			
	5,935,206	08/10/99	Dixon, et al.			
	5,936,569	08/10/99	Stahle, et al.			
	5,940,071	08/17/99	Treffers, et al.			
	5,940,073	08/17/99	Klosterman et al.			
	5,943,046	08/24/99	Cave, et al.			
	5,943,047	08/24/99	Suzuki			
	5,945,987	08/31/99	Dunn			
	5,947,746	09/07/99	Tsai			
	5,949,411	09/07/99	Doerr, et al.			
	5,956,482	09/21/99	Agraharam, et al.			
	5,959,659	09/28/99	Dokic			
	5,963,202	10/05/99	Polish			
	5,964,455	10/12/99	Catanzarite, et al.			
	5,969,714	10/19/99	Butcher			
	5,973,680	10/26/99	Ueda			
	5,973,722	10/26/99	Wakai, et al.			
	5,974,217	10/26/99	Haraguchi			
	5,977,963	11/02/99	Gaughan, et al.			
	5,978,567	11/02/99	Rebane, et al.			
<i>DD</i>	5,978,843	11/02/99	Wu, et al.			
	5,986,650	11/16/99	Ellis, et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	5,990,881	11/23/99	Inoue, et al.			
	5,999,970	12/07/99	Krisbergh, et al.			
	6,002,394	12/14/99	Schein, et al.			
	6,002,720	12/14/99	Yurt, et al.			
	6,005,564	12/21/99	Ahmad, et al.			
	6,005,600	12/21/99	Hill			
	6,009,465	12/28/99	Decker, et al.			
	6,012,089	01/04/00	Hasegawa			
	6,012,091	01/04/00	Boyce			
	6,014,381	01/11/00	Troxel, et al.			
	6,014,693	01/11/00	Ito, et al.			
	6,014,694	01/11/00	Aharoni, et al.			
	6,014,706	01/11/00	Cannon, et al.			
	6,018,359	01/25/00	Kermode, et al.			
	6,018,765	01/25/00	Durana, et al.			
	6,020,912	02/01/00	De Lang			
	6,022,223	02/08/00	Taniguchi, et al.			
	6,023,725	02/08/00	Ozawa, et al.			
	6,025,837	02/15/00	Matthews, et al.			
	6,025,868	02/15/00	Russo			
	6,028,600	02/22/00	Rosin, et al.			
	6,029,064	02/22/00	Farris, et al.			
	6,038,591	03/14/00	Wolfe, et al.			
	6,141,488	10/31/00	Knudson, et al.			
	6,160,546	12/12/00	Thompson, et al.			
	6,209,129	03/27/01	Carr, et al.			
DD	6,314,575	11/06/01	Billock, et al.			

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
Dro	JP 60-61935	09/04/85	Japan				
	WO 88/04507	06/16/88	PCT				
	WO 89/12370	12/14/89	PCT				
	WO 90/00847	01/25/90	PCT				
	WO 91/00670	01/10/91	PCT				
	EP 0 424 469 B1	05/02/91	EPO				
	WO 91/07050	05/16/91	PCT				
	WO 92/04801	03/19/92	PCT				
	2 256 115	11/25/92	Great Britain				
	EP 0 572 090 A	12/01/93	EPO				
	EP 0 535 749 A2	04/07/93	EPO				
	WO 93/08542	04/29/93	PCT				
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Dro	WO 95/01058	01/05/95	PCT				
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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Dro	EP 0 662 771 A1	07/12/95	EPO				
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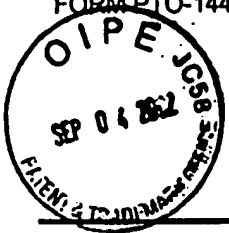
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FORM PTO-1449 	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. UV/217	SERIAL NO. 09/974,666
		APPLICANT Michael D. Ellis et al.	CONFIRMATION NO. 7521
		FILING DATE October 9, 2001	GROUP 2152

## FOREIGN PATENT DOCUMENTS (Continued)

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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DM	WO 95/32587	11/30/95	PCT				
	WO 96/09721	03/28/96	PCT				
	EP 0 711 076 A2	05/08/96	EPO				
	WO 96/17467	06/06/96	PCT				
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## FOREIGN PATENT DOCUMENTS (Continued)

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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Dno	WO 97/49237	12/24/97	PCT				
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Dn	WO 98/47279	10/22/98	PCT				
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## FOREIGN PATENT DOCUMENTS (Continued)

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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D/D	WO 99/11060	03/04/99	PCT				
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## FOREIGN PATENT DOCUMENTS (Continued)

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<i>Dno</i>	WO 01/19086	03/15/01	PCT				
<i>↓</i>	WO 01/35662	05/17/01	PCT				
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	Hofmann, Neumann, Oberlies, and Schadwinkel, "Videotext Programmirt Videorecorder," Rundfunktechnische Mitteilungen, Nov.-Dec. 1982, pp. 254-57 (translation abstract attached)
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	Patent abstract for Japanese patent JP 11 205711, PATENT ABSTRACTS OF JAPAN, vol. 1999, no. 12, July 30, 1999.
<i>D/D</i>	"Digital Video Broadcasting (DVB); DVB specification for data broadcasting", European Telecommunications Standards Institute, Draft EN 301 192 V1.2.1 (1999-01).

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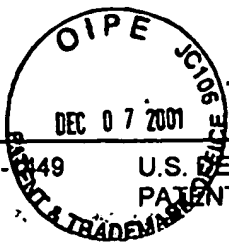
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DND	6,052,145	04/18/00	Macrae et al.	348	10	
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
DND	247388	10/15/94	R.O.C.			X <sup>pro</sup>	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>DDO</i>	5,961,603	10/05/99	Kunkel et al.			

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						YES	NO
<i>DDO</i>	WO 98/53611	11/26/88	PCT				

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